

Appl. No. 10/821,429  
Amdt dated February 8, 2006  
Reply to Office Action of August 10, 2005

### AMENDMENTS TO THE CLAIMS

#### Listing of Claims

Claims 1-13	-	Canceled
Claim 14	-	Currently Amended

Claims

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Currently Amended) ~~A chain motor drive controller according to Claim 13~~

~~wherein said direct mechanical drive coupling is~~ A chain motor drive controller for a chain  
hoist having a casing with a bidirectional chain drive motor having a chain drive shaft  
located within said casing comprising:

a position encoder including a position sensor also located within said

chain hoist casing,

a direct mechanical drive coupling from said chain drive shaft formed as

a pulley and belt drive system to transmit rotary motion from said chain drive shaft directly  
to said position sensor also located within said casing, and

10

a tracking controller also located within said casing and coupled to  
receive digitized electrical position outputs generated by said position sensor in response to  
rotation of said chain drive shaft and to provide drive outputs that accelerate rotation of  
said chain drive shaft upon movement of said chain drive shaft from a stopped condition to  
a rotating condition and which decelerate rotation of said chain drive shaft as said position  
outputs from said position sensor approach an externally determined destination position,  
further comprising an alternating current drive controller interposed between said chain  
drive motor and said tracking controller, and a digital-to-analog converter for transforming  
encoded motor driving signals from said tracking controller from a digital form to an  
analog form as motor command signals to which said alternating current drive controller  
responds, and a motor stabilization circuit receiving said position outputs from said  
position sensor and destination inputs from an external source, and said motor stabilization  
circuit is coupled directly to said alternating current drive controller and overrides said  
tracking controller only when said position outputs match said destination inputs.